

## EROSION RESISTANT COATINGS AND METHODS THEREOF

### ABSTRACT

[0030] Erosion resistant coating compositions include hard particles in a metal matrix such as nickel-based, cobalt-based and iron-based matrices applied by a plating process for complex geometry or hard to access component surfaces or by thermal spray processes for line of sight applications. These materials and processes are especially suited for providing erosion resistance to hydroelectric turbine components.